

# DIALOG 26 JANUARY 2002

File 2:INSPEC 1969-2003/Jan W3 (c) 2003 Institution of Electrical Engineers  
File 9:Business & Industry(R) Jul/1994-2003/Jan 24 (c) 2003 Resp. DB Svcs.  
File 15:ABI/Inform(R) 1971-2003/Jan 25 (c) 2003 ProQuest Info&Learning  
File 16:Gale Group PROMT(R) 1990-2003/Jan 24 (c) 2003 The Gale Group  
File 20:Dialog Global Reporter 1997-2003/Jan 26 (c) 2003 The Dialog Corp.  
File 35:Dissertation Abs Online 1861-2003/Dec (c) 2003 ProQuest Info&Learning  
File 65:Inside Conferences 1993-2003/Jan W3 (c) 2003 BLDSC all rts. reserv.  
File 99:Wilson Appl. Sci & Tech Abs 1983-2003/Dec (c) 2003 The HW Wilson Co.  
File 148:Gale Group Trade & Industry DB 1976-2003/Jan 27 (c)2003 The Gale Group  
File 160:Gale Group PROMT(R) 1972-1989 (c) 1999 The Gale Group  
File 233:Internet & Personal Comp. Abs. 1981-2003/Jan (c) 2003 Info. Today Inc.  
File 256:SoftBase:Reviews,Companies&Prods. 82-2003/Dec (c)2003 Info.Sources Inc  
File 275:Gale Group Computer DB(TM) 1983-2003/Jan 24 (c) 2003 The Gale Group  
File 347:JAPIO Oct 1976-2002/Sep(Updated 030102) (c) 2003 JPO & JAPIO  
File 348:EUROPEAN PATENTS 1978-2003/Jan W04 (c) 2003 European Patent Office  
File 349:PCT FULLTEXT 1979-2002/UB=20030123,UT=20030116 (c) 2003  
WIPO/Univentio  
File 474:New York Times Abs 1969-2003/Jan 24 (c) 2003 The New York Times  
File 475:Wall Street Journal Abs 1973-2003/Jan 24 (c) 2003 The New York Times  
File 476:Financial Times Fulltext 1982-2003/Jan 25 (c) 2003 Financial Times Ltd  
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13 (c) 2002 The Gale Group  
File 610:Business Wire 1999-2003/Jan 26 (c) 2003 Business Wire.  
File 613:PR Newswire 1999-2003/Jan 26 (c) 2003 PR Newswire Association Inc  
File 621:Gale Group New Prod. Annou.(R) 1985-2003/Jan 23 (c) 2003 The Gale Group  
File 624:McGraw-Hill Publications 1985-2003/Jan 25 (c) 2003 McGraw-Hill Co. Inc  
File 634:San Jose Mercury Jun 1985-2003/Jan 25 (c) 2003 San Jose Mercury News  
File 636:Gale Group Newsletter DB(TM) 1987-2003/Jan 24 (c) 2003 The Gale Group  
File 810:Business Wire 1986-1999/Feb 28 (c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30 (c) 1999 PR Newswire Association Inc  
File 267:Finance & Banking Newsletters 2003/Jan 21 (c) 2003 The Dialog Corp.  
File 268:Banking Info Source 1981-2003/Jan W3 (c) 2003 ProQuest Info&Learning  
File 625:American Banker Publications 1981-2003/Jan 23 (c) 2003 American Banker  
File 6:NTIS 1964-2003/Jan W4 (c) 2003 NTIS, Intl Cpyrght All Rights Res  
File 63:Transport Res(TRIS) 1970-2003/Dec (c) fmt only 2003 Dialog Corp.  
File 80:TGG Aerospace/Def.Mkts(R) 1986-2003/Jan 24 (c) 2003 The Gale Group  
File 637:Journal of Commerce 1986-2003/Jan 24 (c) 2003 Commonwealth Bus. Media  
File 608:KR/T Bus.News. 1992-2003/Jan 26 (c)2003 Knight Ridder/Tribune Bus News

SAME FINAL RESULTS AFTER ADDING LAST 8 FILES

Set	Items	Description
S1	156144	(CENTRAL?? OR REMOTE?? OR CENTER OR THIRD OR PARTY OR AGENCY OR ENTITY) (5N) (PAY OR PAID OR PAYING OR PAYMENT OR DEBIT OR DEBITING OR DISBURS?????? OR WITHHOLD??? OR GARNISH?????)
S2	241347	(INFORMATION OR DATA OR INSTRUCTION OR REQUEST???? OR DEMAND????) (5N) (PAY OR PAID OR PAYING OR PAYMENT OR DEBIT OR DEBITING OR WITHHOLD??? OR GARNISH?????)
S3	5222	S1 (S) S2
S4	2720	(INFORMATION OR DATA OR INSTRUCTION OR REQUEST???? OR DEMAND????) (5N) DISBURS??????
S5	56	S1 (S) S4
S6	11	S3 AND S5
S7	10	RD S6 (unique items) [Scanned ti,kwic all]

7/9/2 (Item 1 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB (c)2003 The Gale Group. All rts.  
reserv.

07962347 SUPPLIER NUMBER: 17112270 (THIS IS THE FULL TEXT)  
FMS uses encryption to boost its electronic commerce. (Financial Management  
Service)(Brief Article)  
Minahan, Tim  
Government Computer News, v14, n10, p10(1)  
May 15, 1995  
DOCUMENT TYPE: Brief Article  
ISSN: 0738-4300  
LANGUAGE: English  
RECORD TYPE: Fulltext  
WORD COUNT: 396  
LINE COUNT: 00036

TEXT:

Recent enhancements of Financial Management Service's electronic commerce system have allowed the agency to bolster its capacity and streamline FMS operations.

The Treasury Department agency, charged with issuing government payments, last month bought more than \$400,000 of encryption and digital signature verification equipment from Information Resource Engineering Inc. of Baltimore, including 96 module rack assemblies, host encryptors, switch racks and channel cards, as well as 500 smart cards, for use with its Electronic Certification System.

The service uses ECS to manage more than \$700 billion worth of federal payments annually, including 750 million payment requests from more than 300 federal sites.

Based on the Digital Encryption Standard created by the National Institute of Standards and Technologies, ECS uses dual controls to verify users and payments. Participating agencies need three 386 or better PCs equipped with a smart card reader, FMS' proprietary software and a hardware interface board available only through FMS. The PCs are networked to each other but isolated from all other systems.

One, two, three

One PC is used by the agency's security officer, who monitors and activates the system. At a second PC, a data entry operator enters agency payments schedules. At a **third** terminal, a **disbursing** officer reviews the **data** and authorizes or denies the **payment**. Each user must insert a smart card into the PC and type in a personal identification number.

Authorized payments are encrypted using federal conventions of the ANSI X 12 standard for electronic data interchange transaction sets and transmitted via dedicated or FTS 2000 lines to an FMS mainframe. Each mainframe has an encrypted master file against which agency transmissions are checked.

Once a transmission is verified, the host mainframe sends a message to FMS' check-cutting system authorizing payment. Payments then are sent either as paper checks through the mail or electronically via a commercial payment vendor.

ECS Project Manager George Usher said the new equipment will help FMS consolidate its computer processing effort from six "semi-autonomous" processing sites to three regional operations centers in Austin, Texas, Hyattsville, Md., and Philadelphia.

"The ROCs will provide the processing required by the centers, increased backup capability and elimination of redundancies," Usher said.

Over three years, FMS financial centers have been reduced from 11 to six.

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